

CONTRIBUTIONS TO THE LEPIDOPTEROUS FAUNA OF  
THE PHILIPPINES.

By W. SCHULTZE.

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Manila, P. I.)

A. NEW LEPIDOPTERA.

Fam. LYCENIDÆ.

TARUCUS Moore.

*Lep. Ceylon* (1881), 1, 81.

Type: *T. theophrastus* Fabr.

*Tarucus leopardus* sp. nov. Pl. I, fig. 9.

♂. Upperside of wings iridescent purplish blue with a narrow dull black line along outer margin; cilia white. Tail black, tipped with white. Hind wing with two indistinct submarginal spots at posterior angle. Underside of wings white with a faint ochraceous tinge and numerous dark brown markings as follows: A narrow subcostal band from base to middle of fore wing, thence obliquely toward posterior outer angle; basal area with three triangular patches, the medial one being most prominent; outer area with three oblique bars from the costa, the second, which is the largest, reaching vein IV; a prominent, nearly round, postmedial spot between veins III and IV; a submarginal band and a marginal row of six very small spots, each between two veins and a very fine marginal line. Cilia white. Hind wing with a basal bar, six antemedial transverse streaks, two medial transverse streaks, two postmedial streaks, and a postmedial band from inner margin to vein VI; a prominent submarginal band, six submarginal spots and a fine anteciliary line. The submarginal area between veins I and III is dark ochraceous and the two black spots upon it are surrounded by a highly metallic, green line.

♀. Upperside of wings grayish brown with a bluish iridescence on basal half. Discal area whitish. All markings on underside similar to those above although less diffused. Hind wing with the submarginal row of spots large and distinct. Underside similar to that in ♂; all markings somewhat larger.

Length of wing: ♂, 11 millimeters; ♀, 13.5 millimeters.

Luzon, Province of Camarines, Paracale, P. I. (*J. P. Iddings* collector).

Type ♂, ♀ and cotype ♂ No. 12743 in Entomological Collection, Bureau of Science, Manila, P. I.

### Fam. EUPTEROTIDÆ.

#### PSEUDOGANISA gen. nov.

Type: *P. currani*.

Palpi upturned and thickly fringed with hair. Fore wing broad, the apex rounded, outer margin produced at vein IV. Veins VII, VIII, IX, stalked. Outer margin of hind wing very much pronounced at vein IV and sharply angulate. Closely related to *Ganisa*.



*Pseudoganisa currani* sp. nov. *Pl. I, fig. 2.*

♂. Head ochraceous brown. General color of thorax, abdomen and wings tawny above; collar cream-white; basal half of the fore wing with shiny scales in certain lights. Fore wing with a dark brown spot at the end of cell and straight oblique postmedial line and two brownish submarginal patches between veins II and IV. Hind wing with the basal half hairy, the postmedial line slightly curved outward. Underside of thorax, abdomen and wings yellowish ochraceous. All markings as on upper side, with reddish suffusions, especially between postmedial line and margin.

♀ unknown.

Length of wing: ♂, 28 millimeters.

MINDANAO, Port Banga, District of Zamboanga, P. I. (*W. I. Hutchinson* collector).

Type ♂ No. 8748 in Entomological collection, Bureau of Science, Manila, P. I.)

I take pleasure in naming this species in honor of Mr. H. M. Curran, who has contributed a large number of insects to our collection.

### Fam. LYMANTRIIDÆ.

#### NUMENES Walker.

*Cat. Lep., Het., British Mus.* (1855), 3, 662.

Type: *N. siletti* Walk.

*Numenes insolita* sp. nov. *Pl. I, fig. 4.*

♂. Head and thorax above dark brown, fore legs fuscous. Palpi, thorax below, middle and hind legs, as well as abdomen, yellow. Latter

with a dark brown spot on the second segment dorsally. Fore wing creamy white, with a dark brown band from the base, along inner margin, to posterior outer angle. A narrow oblique antemedial and a broad postmedial band from costa to inner margin. The postmedial band somewhat amplified beyond the cell. Hind wing yellow with an irregular, dark brown, marginal band. Underside of wings pale yellow. Fore wing with the postmedial band and hind wing with the marginal band as above.

♀ unknown.

Length of wing: ♂, 31 millimeters.

PALAWAN, Iwahig, P. I. (W. Schultze collector).

Type ♂ No. 10873 in Entomological Collection, Bureau of Science, Manila, P. I.

This species seems to be closely related to *N. contrahens* Walker, from Sarawak, Borneo, which has the fore wings testaceous.

#### ADULLIA Walker.

*Cat. Lep., Het., British Mus.* (1865), 33, 392.

Type: *A. lunifera* Walk.

*Adullia benguetana* sp. nov. *Pl. I, figs. 6, 7.*

♂. Head, thorax and abdomen ventrally, anal tuft and legs ochraceous. Thorax dorsally, and fore wing red-brown, the latter with the discal area of posterior margin irrorated with black scales. Abdomen dorsally and hind wing dark fuscous.

♀. Head, thorax above, and front and middle legs yellow, the latter somewhat paler; hind legs and thorax below fuscous. Abdomen dark brown, the anal tuft cream-white. Fore wing dark, fuscous brown; costal area, veins and cilia bright yellow. The interspaces between the veins irrorated with yellow scales, especially toward outer margin. Hind wing dark brown, the cilia fuscous brown.

Length of wing: ♂, 13.5 millimeters; ♀, 20 millimeters.

Found in *copulâ*: LUZON, Benguet, Baguio, P. I. (*J. P. Iddings* collector).

Types, ♂ and ♀, No. 12733 in Entomological Collection, Bureau of Science, Manila, P. I.

*Adullia samarensis* sp. nov. *Pl. I, fig. 1.*

♀. Head, antennæ and legs yellow, the latter irrorated with brown scales. Thorax above pale reddish brown with a few very long yellowish hairs. Thorax below and abdomen dark brown. Fore wing reddish brown; a large, lunular, cream-white, discal spot between veins III and V. A dentated row of yellow spots along outer margin and cilia. Posterior margins with a few very long, yellow hairs. Hind wing with the basal

half dark brown, the apical half yellow. Underside of wings similar to upper, though the discal spot of the fore wing is not as prominent.

♂ unknown.

Length of wing: ♀, 30 millimeters.

SAMAR, P. I. (*G. L. Parks* collector).

Cotypes. ♀ No. 12783 in Entomological Collection, Bureau of Science, Manila, P. I.

## Fam. ARCTIIDÆ.

### Subf. LITHOSIINÆ.

#### DEILEMERA Hübner.

*Verz. bek. Schmetterl.* (1818), 178.

Type: *D. evergista* Stoll.

*DeilemERA gratia* sp. nov. *Pl. I, fig. 3.*

♂. Head, collar and thorax cream-white. Palpi with a black spot on second and third joints laterally. A black spot on front and one on top of head, two on the collar, one on each tegula and three medially on the thorax. Legs white; coxæ and thorax below black-spotted. Abdomen pale yellow, with black segmental bands dorsally and two rows of lateral spots. Wings snow-white, semi-transparent. Fore wing with the veins more or less fuscous. Underside similar to upper, the fuscous color more pronounced especially along the costal margin of the fore wing.

♀. The black, abdominal band on the penultimate segment very wide and bi-emarginate posteriorly: anal segment cream-white.

Length of wing: ♂, 28.5 millimeters, ♀, 29 millimeters.

Luzon, Province of Benguet, Panai, P. I., 2,250 meters (*R. C. McGregor* collector).

Types, ♂ and ♀, No. 11136 in Entomological Collection, Bureau of Science, Manila, P. I.

#### MONOTAXIS Hampson.

*Cat. Lep., Phal., British Mus.* (1900), 2, 181.

Type: *M. trimaculata* Hamps.

*Monotaxis montanus* sp. nov. *Pl. I, fig. 10.*

♀. Head, collar, tegulae, thorax and abdomen below ochraceous. Thorax and extremities of tegulae metallic blue-green. Abdomen fuscous. Fore wing ochraceous, the costal margin metallic blue-green except the apical third. A band from base along posterior margin expanding into a large patch below the cell and another wedge-shaped, postmedially. Hind wing pale ochraceous, the apical area fuscous.

♂ unknown.

Length of wing: ♀, 18 millimeters.

Luzon, Province of Benguet, Lutab, P. I., 1,000 meters (*R. C. McGregor* collector).

Type ♀ No. 12701 in Entomological Collection, Bureau of Science, Manila, P. I.

Fam. GEOMETRIDÆ.

Subf. LARENTIINÆ.

PHTHONOLOBA Warren.

*Nov. Zool.* (1894), 1, 397.

Type: *P. decussata* Moore.

*Phthonoloba benguetana* sp. nov. *Pl. I, fig. 5.*

♀. Head, collar and thorax bright green, a dark brown spot on each tegula. Abdomen and legs pale green, the latter streaked with brown and the former with a brown spot on the first segment. Fore wing bright green with a brown discocellular spot and double antemedial, medial, postmedial and submarginal brown zig-zag lines. The post-medial lines form a brown patch in the discal area and at the posterior margin. Hind wing pale green with a brown discocellular spot, a curved postmedial line and an internal fuscous marginal band. Cilia with a series of fuscous spots at the ends of the veins.

♂ unknown.

Length of wing: ♀, 19 millimeters.

Luzon, Province of Benguet, Pauai, P. I., 2,250 meters (*R. C. McGregor* collector).

Cotypes. ♀ No. 11177 in Entomological Collection, Bureau of Science, Manila, P. I.

Fam. TINEIDÆ.

Subf. GELECHIINÆ.

HYPERPERISSA Walsingham.

*Cat. East. Lep., Het.* (1900), 2, 546.

Type: *H. aurantiaca* Semper.

*Hyperperissa pulchella* sp. nov. *Pl. I, fig. 8.*

♀. Head, thorax, abdomen and legs dark, metallic blue. Wings golden yellow. Fore wing with a streak at the base and the apical third dark, metallic blue. Hind wing with the apical dark metallic blue, the inner margin of which is nearly straight.

♂ unknown.

Length of wing: ♀, 14 millimeters.

Luzon, Province of Benguet, Lutab, 1,000 meters, and Pauai, P. I., 2,250 meters (*R. C. McGregor* collector).

Type ♀ No. 12686 and paratype No. 11148 in Entomological Collection, Bureau of Science, Manila, P. I.

## B. SPECIES OF LEPIDOPTERA HITHERTO UNRECORDED FROM THE PHILIPPINES.

## Suborder RHOPHALOCERA.

## Fam. LYCÆNIDÆ.

## CHILADES Moore.

*Lep. Ceyl.* (1881), 1, 76.

Type: *C. laius* Cram.

## CHILADES TROCHILUS Frey.

*Lycæna trochilus* Freyer, Neuere Beitr. Schmetterl. (1844), 5, 98, pl. 140, fig. 1.

*Lycæna putli* Kollar, Hügel's Kaschmir (1848), 4, pt. 2, 422.

*Chilades putli* Moore, *Lep. Ceyl.* (1881), 1, 77, pl. 35, fig. 4.

*Chilades trochilus* de Nicev., Butterfl. of India, Burma, and Ceylon (1890), 3, 91.

*Zizera putli* Semper,<sup>1</sup> Schmetterl. d. Phil. Ins. (1892), 5, 172, footnote.

LUZON, Mountain Province, Kalinga, Sabuc, P. I. (10561 *H. M. Curran*).

## ZIZERA Moore.

*Lep. Ceyl.* (1881), 1, 78.

Type: *Z. alsus* Wien. Verz.

## ZIZERA MORA Swinh.

*Zizera mora* Swinhoe, Proc. Zool. Soc., Lond. (1884) 506, pl. 47, fig. 2; de Nicev., Butterfl. of India, Burma and Ceylon (1890), 3, 118.

LUZON, Manila, P. I. (8019 *W. Schultze*).

## ZIZERA GAIKA Trim.

*Lycæna gaika* Trimen, Trans. Ent. Soc. Lond., ser. 3 (1862), 1, 403.

*Zizera gaika* Butl., Proc. Zool. Soc. Lond. (1884), 484; de Nicev., Butterfl. of India, Burma and Ceylon (1890), 3, 118, pl. 26, fig. 174.

LUZON, Manila, P. I. (7351 *W. Schultze*); Laguna, Sta. Maria, P. I. (8532 *H. M. Curran*); Rizal, Montalban Gorge, P. I. (9128 *F. D. Nash*).

## CASTALIUS Hübner.

*Verz. bek. Schmetterl.* (1816), 70.

Type: *C. rosimon* Fabr.

## CASTALIUS ELNA Hewits.

*Lycæna elna* Hetwits., Ex. Butterfl. (1876), 5, *Lycæna* pl. 1, fig. 8.

*Castalius elna* Moore, Proc. Zool. Soc. Lond. (1877), 587; de Nicev., Butterfl. of India, Burma and Ceylon (1890), 3, 201; Bingham, Fauna British Ind., Butterfl., (1907), 2, 430.

PALAWAN, Iwahig, P. I. (11166 *W. Schultze*).

<sup>1</sup>I quote this species again, as Semper mentions it as rather doubtful from the Philippines.

## Fam. PAPILIONIDÆ.

## Subf. PAPILIONINÆ.

## PAPILIO Linnæus.

*Syst. Nat.* (1758), 1, 458.

Type: *P. priamus* Linn.

## PAPILIO XUTHUS Linn.

*Papilio xuthus* Linn., *Syst. Nat.* (1767), 1, 751.

*Papilio xanthus* Rothsch., *Nov. Zool.* (1895), 2, 278.

*Papilio xuthus* Bingham, *Fauna British Ind., Butterfl.* (1907), 2, 38.

LUZON, Province of Benguet, Panai, P. I., 2,250 meters (11130 *R. C. McGregor*).

## PAPILIO NEPTUNUS Guér.

*Papilio neptunus* Guérin, *Deless. Souv. Inde* (1843), 2, 69; Wall., *Trans.*

*Linn. Soc.* (1865), 25, 42; Druce, *Proc. Zool. Soc. Lond.* (1873), 357;

Distant, *Rhop. Malay.* (1886), 335.

MINDANAO, P. I. (13196 *C. I. Overman*).

## Fam. HESPERIDÆ.

## PADUKA Distant.

*Rhopal. Malay.* (1886), 375.

Type: *P. glandulosa* Dist.

## PADUKA GLANDULOSA Dist.

*Paduka glandulosa* Distant, *loc. cit.* 376, *pl. 35, fig. 5.*

PALAWAN, Puerto Princesa, P. I. (8757 *C. M. Weber*).

## Suborder HETEROCCERA.

## Fam. SPHINGIDÆ.

## Subf. PHILAMPELINÆ.

## ANGONYX Boisduval.

*Spec. Gen. Lep. Het.* (1875), 1, 317.

Type: *A. testacea* Walk.

## ANGONYX TESTACEA Walk.

*Perigonia testacea* Walk., *Cat. Lep., British Mus.* (1856), 8, 102.

*Angonya testacea* Rothsch. and Jord., *Rev. Lep. Fam. Sphing.* (1903), 544.

LUZON, Manila, P. I. (11050 *R. Wern*).

## Subf. SESSIINÆ.

## CEPHONODES Hübner.

*Verz. bek. Schmetterl.* (1816), 131.

Type: *C. hylas* Linn.

## CEPHONODES TITAN Rothsch.

*Cephonodes titan* Rothschild, *Nov. Zool.* (1899), 6, 69; Rothsch. and

Jord., *Rev. Lep. Fam. Sphing.* (1903), 469.

LUZON, Province of Benguet, P. I., 1,850 meters (12726 *J. P. Iddings*).

## Fam. NOTODONTIDÆ.

## GARGETTA Walker.

*Cat. Lep. Ins., British Mus.* (1864), 32, 455.

Type: *G. costigera* Walk.

## GARGETTA COSTIGERA Walk.

*Gargetta costigera* Walk., *loc. cit.* 455; Hamps., Fauna British Ind. Moths (1892), 1, 135.

LUZON, Province of Cagayan, Tuguegarao, P. I. (9447 *W. Williamson*).

## Fam. COSSIDÆ.

## COSSUS Fabricius.

*Ent. Syst.* (1794), 3, pt. 2, 3.

Type: *C. ligniperda* Fabr.

## COSSUS ACRONYCTOIDES Moore.

*Brachylia acronyctoides* Moore, *Proc. Zool. Soc. Lond.* (1879), 411, *pl.* 34, *fig.* 4.

*Cossus acronyctoides* Hamps., Fauna British Ind., Moths (1892), 1, 305.

LUZON, Province of Laguna, Los Baños, P. I. (12901 *E. M. Ledyard*).

## Fam. LIMACODIDÆ.

## NAGODA Moore.

*Lep. Ceyl.* (1887), 3, 542.

Type: *N. nigricans* Moore.

## NAGODA NIGRICANS Moore.

*Nagoda nigricans* Moore, *loc. cit.*, 542, *pl.* 211, *fig.* 10; Hamps., *Ill. Typ.*

*Lep. Het. British Mus.* (1893), 9, *pl.* 161, *fig.* 1; Fauna British Ind., Moths (1892), 1, 401.

LUZON, Province of Benguet, Trinidad, P. I. (8352 *C. S. Banks*).

## Fam. LASIOCAMPIDÆ.

## ODONESTIS Germar.

*Prod.* (1811), 49.

Type: *O. potatoria* Fabr.

## ODONESTIS PLAGIFERA Walk.

*Lebeda plagifera* Walk., *Cat. Lep. Ins., British Mus.* (1855), 6, 1459;

*Butl., Ill. Typ. Lep. Het., British Mus.* (1881), 5, 73, *pl.* 99, *fig.* 5.

*Odonestis plagifera* Hamps., Fauna British Ind., Moths (1892), 1, 427.

LUZON, Province of Benguet, Baguio, P. I. (10494 *W. Schultze*).



## Fam. LYMANTRIIDÆ.

## AROA Walker.

*Cat. Lep. Het.*, British Mus. (1855), 4, 791.

Type: *A. discalis* Walk.

## AROA MAJOR Hamps.

*Aroa major* Hamps., Ill. Typ. Lep. Het. British Mus. (1893), 9, 74, pl. 159, fig. 3; Fauna British Ind., Moths (1892), 1, 437.

LUZON, Province of Benguet, Baguio, P. I. (10451 W. *Schultze*).

## LÆLIA Stephens.

*Syst. Cat. Brit. Ins.* (1829), 2, 52.

Type: *L. cænosa* Hubn.

## LÆLIA SUFFUSA Walk.

*Ricine suffusa* Walk., *Cat. Lep. Het.*, British Mus. (1855), 4, 824.

*Protoproca angulifera* Walk., *loc. cit.*, 919.

*Lælia suffusa* Hamps., Fauna British Ind., Moths (1892), 1, 441.

LUZON, Manila, P. I. (3123, 5215, W. *Schultze*); NEGROS OCCIDENTAL, Bago, P. I. (6282 C. S. *Banks*).

## DASYCHIRA Stephens.

*Ill. Brit. Ent., Haust.* (1829), 2, 58.

Type: *D. pudibunda* Linn.

## DASYCHIRA HORSFIELDI Saund.

*Arctia horsfieldii* Saund., Trans. Ent. Soc. Lond. (1851), 1, 126, pl. 12, figs. 1, 2.

*Dasychira horsfieldi* Hamps., Fauna British Ind., Moths (1892), 1, 448.

PALAWAN, Iwahig, P. I. (10870 W. *Schultze*).

## Fam. ARCTIIDÆ.

## Subf. LITHOSIINÆ.

## MANOBA Walker.

*Journ. Linn. Soc., Zool.* (1863), 7, 62.

Type: *M. implens* Walk.

\* MANOBA FRACTILINEA Snell.<sup>2</sup>

*Pitane fractilinea* Snell., Veth's Midd.-Sumatra Lep. (1880), 38; Kirby, *Cat. Het.* (1892), 364.

*Eugoa multipuncta* Hamps., Ill. Lep. Het., British Mus. (1893), 9, 81, pl. 158, fig. 3.

*Æmene multipuncta* Hamps., Fauna British Ind., Moths (1894), 2, 93.

*Stictane fractilinea* Hamps., *Cat. Lep., Phal.* (1900), 2, 259.

LUZON, Manila, P. I. (4908 C. S. *Banks*).

<sup>2</sup>All species preceded by an \* were determined by Sir George Hampson of the British Museum.

## MILTOCHRISTA Hübner.

Verz. bek. Schmetterl. (1818), 166.

Type: *M. miniata* Forst.

## MILTOCHRISTA SEMIFASCIA Walk.

*Setina semifascia* Walk., Cat. Lep. Ins. British Mus. (1854), 2, 521.

*Lyclene semifascia* Moore, Lep. Ceylon (1882), 2, pl. 103, fig. 7.

*Miltochrista semifascia* Hamps., Fauna British Ind., Moths (1894), 2, 109.

LUZON, Province of Benguet, Baguio, P. I. (8818 *C. S. Banks*).

## DARANTASIA Walker.

*Journ. Linn. Soc. Lond.* (1859), 3, 186.

Type: *D. cuneiplena* Walk.

## DARANTASIA CUNEIPLENA Walk.

*Darantasia cuneiplena* Walk., loc. cit. Swinh., Cat. Het. Lep. (1892), 1, 99, pl. 3, fig. 17; Hamps., Cat. Lep., Phal. (1900), 2, 273.

NEGROS, Mount Canlaon, P. I. (12892 *C. S. Banks*).

## Subf. NOLINÆ.

## CELAMA Walker.

*Cat. British Mus.* (1864), 32, 500.

Type: *C. bifascialis* Walk.

## CELAMA TÆNIATA Snell.

*Nola tæniata* Snell., Tijdschr. v. Ent. (1874), 17, 65, pl. 6, fig. 1; Kirby, Cat. Het. (1892), 372.

*Roesella fragilis* Swinh., Trans. Ent. Soc. Lond. (1890), 184; Hamps., Fauna British Ind., Moths (1894), 2, 139; Kirby, loc. cit. 376.

*Sorocostia mesozana* Lucas, Proc. Linn. Soc. N. S. W. (1890), 4, 1075; Kirby, loc. cit. 377.

*Celama tæniata* Hamps., Cat. Lep., Phal. (1900), 2, 17.

LUZON, Manila, P. I. (2377, 3978, 5148, *C. S. Banks*).

## Subf. NYCTEOLINÆ.

## EARIAS Hübner.

Verz. (1818), 395.

Type: *E. clorana* Linn.

## \*EARIAS INSULANA Boisd.

*Tortrix insulana* Boisd., Faune Ent. Madag. (1833), 121, pl. 16, fig. 9.

*Earias insulana* Rogenh., Verh. Zoöl. Bot. Ges. Wien. (1870), 20, 869.

*Earias smaradinana* Zell., Lep. Mic. Wahlb. Caffr. (1852), 79.

*Earias frondosana* Walk., Cat. Lep. British Mus. (1863), 27, 204.

*Earias similima* Walk., op. cit. (1866), 35, 1775.

*Earias siliquana* Stainton, Trans. Ent. Soc. Lond. (1865), ser. 3, 5, 89.

*Earias gossypii* Frauenf., Verh. Zoöl. Bot. Ges. Wien. (1867), 17, 791.

*Earias tristrigosa* Butl., Proc. Zoöl. Soc. Lond. (1881), 614; op. cit. (1883), 157.

*Earias insulana* Swinh., Cat. Lep. Het. (1892), 1, 133; Hamps., Fauna British Ind., Moths (1894), 2, 133.

LUZON, Manila, P. I. (2936 *C. S. Banks*).

## Fam. NOCTUIDÆ.

## Subf. TRIFINÆ.

## AGROTIS Ochsenheimer.

*Eur. Schmetterl.* (1816), 4, 66.

Type: *A. segetis* Schiff.

## AGROTIS SEGETIS Schiff.

*Noctua segetum* Schiff., Wien. Verz. (1876), 252.

*Agrotis segetum* Leech, Proc. Zool. Soc. Lond. (1889), 499; Meyr., Handb. British Lep. (1895), 91.

*Agrotis segetis* Hamps., Fauna British Ind., Moths (1894), 2, 181.

LUZON, Province of Benguet, Pauai, P. I., 2,250 meters (11385 *R. C. McGregor*).

## AGROTIS BICONICA Koll.

*Agrotis biconica* Koll., Hügel's Kaschmir. (1844), 4, 480.

*Agrotis exigua* Koll., *loc. cit.* 481.

*Agrotis spiculifera* Guen., Noct., (1852), 1, 266.

*Agrotis aristifera* Guen., *op. cit.*; Moore, Lep. Ceylon (1884), 3, 32, pl. 147, fig. 5.

*Agrotis biconica* Hamps., Fauna British Ind., Moths (1894), 2, 182.

LUZON, Province of Benguet, Pauai, P. I., 2,250 meters (11377 *R. C. McGregor*).

## AGROTIS C-NIGRUM Linn.

*Phalæna-Noctua c-nigrum* Linn., Syst. Nat. (1758), 852.

*Noctua c-nigrum* Schiff., Wien. Verz. (1776), 77.

*Graphiphora c-nigrum* Steph., Ill. British Ent. Haust. (1829), 2, 136.

*Agrotis c-nigrum* Hamps., Fauna British Ind., Moths (1894), 2, 188.

LUZON, Province of Benguet, Pauai, P. I., 2,250 meters (11380 *R. C. McGregor*).

## AGROTIS YPSILON Rott.

*Noctua ypsilon* Rott., Naturf. (1776), 11, 141.

*Bombyx spinula* Esp., Schmetterl. Eur. (1782), 3, pl. 63, fig. 6, 7.

*Noctua suffusa* Fabr., Mant., Ins. (1787), 2, 157.

*Agrotis suffusa* Treit., Schmetterl. Eur. (1825), 5, 152.

*Agrotis ypsilon* Hamps., Fauna British Ind., Moths (1894), 2, 182.

LUZON, Manila, P. I. (9748 *W. Schultze*).

## AGROTIS INGRATA Butl.

*Agrotis ingrata* Butl., Ann. Mag. Nat. Hist. (1878), V, 1, 162; Ill. Typ.

Lep. Het., British Mus. (1878), 2, 27, fig. 9.

LUZON, Province of Benguet, Pauai, P. I., 2,250 meters (11185, 11384, *R. C. McGregor*).

## ACRONYCTA Ochsenheimer.

*Eur. Schmetterl.* (1816), 4, 62.

Type: *A. leporina* Linn.

## ACRONYCTA SINENS Walk.

*Orthosia sinens* Walk., Cat. Lep. Ins., British Mus. (1857), 11, 746.

*Acronycta sinens* Hamps., Fauna British Ind., Moths (1894), 2, 241.

LUZON, Manila, P. I. (9645); Benguet, Baguio, P. I. (10462 W. *Schultze*).

**CURGIA** Walker.

*Journ. Linn. Soc. Lond.* (1864), 7, 166.

Type: *C. nonagrica* Walk.

LEUCANIA NONAGRICA Walk.

*Curgia nonagrica* Walk., *loc. cit.*

*Radinacra euthusa* Hamps., Ill. Typ. Lep. Het., British Mus. (1891), 8, 79, pl. 145, fig. 1.

LUZON, Manila, P. I. (3821, 7880 W. *Schultze*); Tarlac, Anao, P. I. (9455 R. C. *McGregor*).

**LEUCANIA** Ochseneheimer.

*Eur. Schmetterl.* (1816), 4, 81.

Type: *L. comma* Linn.

LEUCANIA INFRAMICANS Hamps.

*Leucania inframicans* Hamps., Ill. Typ. Lep. British Mus. (1893), 9, 90, pl. 161, fig. 2; Fauna British Ind., Moths (1894), 2, 270.

MINDANAO, Camp Keithley, P. I. (7392 Mrs. M. S. *Clemens*); LUZON, Manila, P. I. (9680 R. *Werm*).

LEUCANIA NIGRILINEA Leech.

*Leucania nigrilinea* Leech, Proc. Zool. Soc. Lond. (1899), 483, pl. 50, fig. 8.

LUZON, Province of Benguet, Lutab, P. I., 2,250 meters (12709 R. C. *McGregor*).

**PHYCIDOPSIS** Hampson.

Ill. Typ. Lep. Het., British Mus. (1893), 9, 91.

Type: *P. alborivittata* Hamps.

PHYCIDOPSIS ALBORIVITTATA Hamps.

*Phycidopsis alborivittata* Hamps., *loc. cit.*, pl. 161, fig. 13; Fauna British Ind., Moths (1894), 2, 288.

LUZON, Province of Benguet, Lutab, P. I. (12699 R. C. *McGregor*).

Subf. ACONTIINÆ.

**EUBLEMMA** Hübner.

*Verz.* (1816) 256.

Type: *E. respersa* Hübn.

\* EUBLEMMA VERSICOLOR Walk.

*Autoba versicolor* Walk., Journ. Linn. Soc. Lond. (1864), 7, 58.

*Mestleta angulifera* Moore, Desc. Ind. Lep. Ins. Coll. Atk. (1879), 179; Lep. Ceylon (1885), 3, 208, pl. 175, figs. 2, 2a.

*Eublemma angulifera* Hamps., Fauna British Ind., Moths (1894), 2, 343. *Eublemma versicolor* Swinh., Cat. Lep., Het. (1900), 2, 65.

LUZON, Manila, P. I. (2938 W. *Schultze*).

## Subf. SARROTHRIPINÆ.

## BLENINA Walker.

*Cat. Lep. Het., British Mus.* (1857), 13, 1214.

Type: *B. donans* Walk.

## BLENINA DONANS Walk.

*Blenina donans* Walk., *loc. cit.*, 1215; Moore, *Lep. Ceylon* (1885), 3, 129, pl. 160, fig. 2; Hamps., *Fauna British Ind., Moths* (1894), 2, 377.

LUZON, Manila, P. I. (9689 *R. Werm.*).

## BLENINA QUINARIA Moore.

*Blenina quinaria* Moore, *Deser. Ind. Lep. Ins. Coll. Atk.* (1879), 158, pl. 5, fig. 5; Hamps., *Fauna British Ind., Moths* (1894), 2, 379.

LUZON, Manila, P. I. (9191 *M. Garcia.*).

## CLETHHARRA Walker.

*Cat. Lep. Ins. British Mus.* (1863), 27, 101.

Type: *C. valida* Walk.

## CLETHHARRA ALBONOTATA Hamps.

*Cletharra albonotata* Hamps., *Fauna British Ind., Moths* (1894), 2, 384.

LUZON, Manila, P. I. (6388 *W. Schultze.*).

## Subf. STICTOPTERINÆ.

## MACEDA Walker.

*Cat. Lep. Het. British Mus.* (1857), 13, 1140.

Type: *M. mansueta* Walk.

## MACEDA MANSUETA Walk.

*Maceda mansueta* Walk., *loc. cit.* 1141.

*Calduba obdenta* Walk., *op. cit.* (1858), 15, 1815.

*Maceda discalis* Walk., *Journ. Linn. Soc. Lond.* (1864), 7, 176.

*Maceda mansueta* Moore, *Lep. Ceylon* (1884), 3, 82, pl. 154, fig. 4, 5; Hamps., *Fauna British Ind., Moths* (1894), 2, 397.

LUZON, Manila, P. I. (9229 *R. Parás.*).

## GYRTONA Walker.

*Cat. Lep. Het., British Mus.* (1863), 27, 89.

Type: *G. proximalis* Walk.

## GYRTONA LAPIDARIA Walk.

*Gyrtona lapidaria* Walk., *op. cit.* (1864), 31, 257; Hamps., *Ill. Lep. Het. British Mus.* (1889), 7, pl. 143, fig. 20; *Fauna British Ind., Moths* (1894), 2, 406.

LUZON, Bataan, Lamao, P. I. (6961 *H. Cuzner.*).

## GYRTONA HYLUSALIS Walk.

*Gyrtona hylusalis* Walk., *Cat. Lep. Ins. British Mus.* (1863), 27, 93; Hamps., *Ill. Het. British Mus.* (1893), 9, pl. 163, fig. 18; *Fauna British Ind., Moths* (1894), 2, 405.

LUZON, Province of Benguet, Baguio, P. I. (10458 *W. Schultze.*).

## Subf. QUADRIFINÆ.

## SYPNA Guenée.

Noct. (1852), 3, 144.

Type: *S. smicronigera* Guen.

## SYPNA PUNCTOSA Walk.

*Tavia punctosa* Walk., Cat. Lep. Ins. British Mus. (1865), 33, 939.

*Sypna ochreicilia* Hamps., Ill. Het. British Mus. (1891), 8, 89, pl. 147, fig. 1.

*Sypna punctosa* Hamps., Fauna British Ind., Moths (1894), 2, 447.

LUZON, Province of Benguet, Pauai, P. I., 2,250 meters (11138 R. C. McGregor).

## ERCHEIA Walker.

Cat. Lep. Het. British Mus. (1857), 13, 1107.

Type: *E. cyllaria* Cram.

## ERCHEIA CYLLOTA Guen.

*Achaea cyllota* Guen., Noct. (1852), 3, 248.

*Ercheia cyllota* Moore, Lep. Ceylon (1885), 3, 115, pl. 157, fig. 2.

LUZON, Manila, P. I. (2585 W. Schultz).

## NYCTIPAO Hübner.

Verz. (1818), 271.

Type: *N. crepuscularis* Linn.

## NYCTIPAO STRINGIPENNIS Moore.

*Nyctipao stringipennis* Moore, Proc. Zool. Soc. Lond. (1883), 25; Hamps., Fauna British Ind., Moths (1894), 2, 460.

LUZON, Manila, P. I. (5086 C. S. Banks).

## CHRYSOPERA Hampson.

Fauna British Ind., Moths (1894), 2, 493.

Type: *C. combinans* Walk.

## CHRYSOPERA COMBINANS Walk.

*Achaea combinans* Walk., Cat. Lep. Het. British Mus. (1858), 14, 1399; Moore, Lep. Ceylon (1885), 3, 165, pl. 169, fig. 3.

*Chrysopera combinans* Hamps., loc. cit. 493.

LUZON, Province of Tarlac, Anao, P. I. (9449 R. C. McGregor).

## HYPÆTRA Guenée.

Noct. (1852), 3, 259.

Type: *H. noctuoides* Guen.

## HYPÆTRA NOCTUOIDES Guen.

*Hypætra noctuoides* Guen., loc. cit.; Hamps., Fauna British Ind., Moths (1894), 2, 507.

LUZON, Manila, P. I. (4764 E. D. Merrill).

## HYPÆTRA BUBO Hübn.

*Athyra bubo* Hübn., Zutr. (1832), 4, 13, figs. 633, 634.

*Hypætra bubo* Hamps., Fauna British Ind., Moths (1894), 2, 508.

LUZON, Manila, P. I. (1432 W. Schultz).

## DORDURA Moore.

*Descr. Ind. Lep. Ins. Coll. Atk.* (1879), 170.

Type: *D. aliena* Walk.

## DORDURA ALIENA Walk.

*Hypatra aliena* Walk., *Cat. Lep. British Mus.* (1865), 33, 964.

*Dysgonia tincta* Hamps., *Ill. Typ. Het. British Mus.* (1893), 9, 112,  
pl. 165, fig. 3.

*Dordura aliena* Hamps., *Fauna British Ind., Moths* (1894), 2, 511.

LUZON, Manila, P. I. (8798 *J. Guerrero*).

## HAMODES Guenée.

*Noct.* (1852), 3, 202.

Type: *H. propitia* Guen.

## HAMODES AURANTIACA Guen.

*Hamodes aurantiaca* Guen., *loc. cit.* 203.

*Ophisma atticicola* Walk., *Cat. Lep. Het. British Mus.* (1858), 14, 1383.

*Hamodes atticicola* Swinh., *Proc. Zool. Soc. Lond.* (1885), 463.

*Hypernaria dicistriga* Moore, *Proc. Zool. Soc. Lond.* (1867), 78.

*Hamodes dicistriga* Moore, *op. cit.* (1877), 609.

*Hamodes marginata* Moore, *Descr. Ind. Lep. Ins. Coll. Atk.* (1882), 169.

*Hamodes aurantiaca* Hamps., *Fauna British Ind., Moths* (1894), 2, 547.

LUZON, Manila, P. I. (12683 *C. S. Banks*).

## ENMONODIA Walker.

*Cat. Lep. Het. British Mus.* (1858), 14, 1332.

Type: *E. pudens* Walk.

## ENMONODIA PUDENS Walk.

*Hypopyra pudens* Walk., *loc. cit.* 1329.

*Spirama pudens* Hamps., *Fauna British Ind., Moths* (1894), 2, 555.

*Enmonodia pudens* Butl., *Entom.* (1893), 26, 353.

*Enmonodia hypopyroides* Walk., *loc. cit.*, 1333.

*Hypopyra grandava* Feld., *Reise Nov., Lep.* (1873), pl. 115, fig. 2.

*Hypopyra persimilis* Moore, *Proc. Zool. Soc. Lond.* (1877), 608.

LUZON, Province of Laguna, Los Baños, P. I. (12902 *E. M. Ledyard*).

## Fam. EPIPLEMIDÆ.

## ORUDIZA Walker.

*Cat. Lep. Ins. British Mus.* (1861), 23, 857.

Type: *O. protheclaria* Walk.

## ORUDIZA PROTHEELARIA Walk.

*Orudiza protheclaria* Walk., *loc. cit.* 858; Hamps., *Fauna British Ind., Moths* (1895), 3, 124.

LUZON, Province of Bataan, Lamao, P. I. (9149 *W. Schultze*).

## Fam. GEOMETRIDÆ.

## Subf. BOARMIINÆ.

## ORZONOBA Walker.

*Cat. Lep. Het. British Mus.* (1860), 20, 218.

Type: *O. clelia* Cram.

## ORZONOBA CLELIA Cram.

*Phalæna clelia* Cram., *Pap. Exot.* (1782), 3, 172, *pl.* 288, *figs.* B, C.

*Orzonoba clelia* Moore, *Lep. Ceylon* (1887), 3, 395, *pl.* 187, *fig.* 2; *Hamps.*,

*Fauna British Ind., Moths* (1895), 3, 212.

LUZON, Manila, P. I. (7138 W. *Schultze*).

## APLOCHLORA Warren.

*Proc. Zool. Soc. Lond.* (1893), 386.

Type: *A. virilaca* Walk.

## APLOCHLORA VIRIDIS Warren.

*Aplochloa viridis* Warren, *loc. cit.*, *pl.* 31, *fig.* 7.

LUZON, Province of Benguet, Pauai, P. I., 2,250 meters (1137? *R. C. McGregor*).

## Subf. LARENTIINÆ.

## PHOTOSCOTOSIA Warren.

*Proc. Zool. Soc. Lond.* (1888), 328.

Type: *P. miniosata* Walk.

## PHOTOSCOTOSIA MINIOSATA Walk.

*Scotosia miniosata* Walk., *Cat. Lep. Het. British Mus.* (1862), 25, 1354.

*Photoscotosia miniosata* *Hamps.*, *Fauna British Ind., Moths* (1895), 3, 380.

LUZON, Province of Benguet, Pauai, P. I., 2,250 meters (11134 *R. C. McGregor*).

## CATACLYSME Hübner.

*Verz. bek. Schmetterl.* (1818), 329.

Type: *C. riguata* Hübn.

## CATACLYSME CONTURBATA Walk.

*Larentia conturbata* Walk., *Cat. Lep. Ins. British Mus.* (1862), 26, 1703.

*Cataclysmo conturbata* *Hamps.*, *Fauna British Ind., Moths* (1895), 3, 349.

LUZON, Province of Benguet, Pauai, P. I., 2,250 meters (11379 *R. C. McGregor*).

## PHTHONOLOBA Warren.

*Nov. Zool.* (1894), 1, 397.

Type: *P. decussata* Moore.

## PHTHONOLOBA DECUSSATA Moore.

*Phthonoloba decussata* Moore, *Proc. Zool. Soc. Lond.* (1867), 655, *pl.* 33, *fig.* 10.

NEGROŠ, Mount Canlaon, 850 meters (6448 *C. S. Banks*).



## Subf. ACIDALIINÆ.

## ACIDALIA Treitschke.

*Eur. Schmetterl.* (1825), 5, 438.Type: *A. ochrata* Scop.

\*ACIDALIA RUFULA Swinh.

*Acidalia rufula* Swinh.

LUZON, Manila, P. I. (3506 C. S. Banks).

## Subf. GEOMETRINÆ.

## DYSPHANIA Hübner.

*Verz.* (1816), 175.Type: *D. militaris* Linn.

DYSPHANIA PALMYRA Stoll.

*Phalæna Bombyx palmyra* Stoll, *Cram. Pap. Exot.* (1790), 5, 159,  
pl. 36, fig. 1.*Eüschema palmyra* Hübn., *Verz.*, (1816), 175; *Hamps., Fauna British Ind., Moths* (1895), 3, 470.*Eüschema transversa* Moore, *Lep. Ceylon* (1887), 3, 422, pl. 189, figs. 3, 3a.*Dysphania palmyra* Swinh., *Cat. Lep. Het.* (1900), 2, 381.

PALAWAN, Iwahig, P. I. (9445 C. M. Weber, 11106 W. Schultze).

## AFRENA Hampson.

*Trans. Ent. Soc. Lond.* (1895), 314.Type: *A. esmeralda* Hamps.

AFRENA ESMERALDA Hamps.

*Afrena esmeralda* Hamps., *Trans. Ent. Soc. Lond.* (1895), 314; *Fauna British Ind., Moths* (1896), 4, 565.

LUZON, Manila, P. I. (11545 W. Schultze).

## Fam. PYRALIDÆ.

## Subf. ANERASTIINÆ.

## ANERASTIA Hübner.

*Verz.* (1816), 367.Type: *A. lotella* Hübn.

\*ANERASTIA CELSELLA Walk.

*Anerastia celsella* Walk., *Cat. Lep. British Mus.* (1863), 27, 193; *Hamps., Fauna British Ind., Moths* (1896), 4, 56.

LUZON, Manila, P. I. (3831 C. S. Banks).

\*ANERASTIA PALLIDICOSTA Walk.

*Pempelia cautella* Walk., *Cat. Lep. British Mus.* (1863), 27, 73.*Cadra defectella* Walk., *op. cit.* (1864), 30, 962.*Ephestia cautella* Hamps., *Fauna British Ind., Moths* (1896), 4, 66.

LUZON, Manila, P. I. (117, 3828, 3876 C. S. Banks).

## NEPHOPTERYX Hübner.

Verz. (1816), 370.

Type: *N. rhenella* Zinck.

## \* NEPHOPTERYX SYNTARACTIS Turn.

*Nephoptyx syntaractis* Turner, Proc. Roy. Soc. Queensl. (1904), 18, 145.

LUZON, Manila, P. I. (4169 *C. S. Banks*).

## CANTHELEA Walker.

*Cat. Lep. British Mus.* (1866), 35, 1726.

Type: *C. ægnusalis* Walk.

## \* CANTHELEA ÆGNUSALIS Walk.

*Pyralis?ægnusalis* Walk., *op. cit.* (1859), 19, 905.

*Homæosoma gratella* Walk., *op. cit.* (1863), 27, 26.

*Homæosoma derasella* Swinh., Proc. Zool. Soc. Lond. (1885), 877, *pl.* 57, *fig.* 19.

*Epicrocis ægnusalis* Hamps., Fauna British Ind., Moths (1896), 4, 85.

LUZON, Manila, P. I. (2376, 2632 *C. S. Banks*).

## PHYCITA Curtis.

*British Ent.* (1840), 6, 233.

Type: *P. spissicella* Fabr.

## \* PHYCITA PROXIMALIS Walk.

*Nephoptyx proximalis* Walk., *Cat. Lep. British Mus.* (1863), 27, 68.

*Phycita proximalis* Hamps., Fauna British Ind., Moths (1896), 4, 94.

LUZON, Manila, P. I. (5864 *C. S. Banks*).

## \* PHYCITA CLIENTELLA Zell.

*Nephoptyx clientella* Zell., *Stett. Ent. Zeit.* (1867), 396.

*Phycita clientella* Hamps., Fauna British Ind., Moths (1896), 4, 94.

LUZON, Manila, P. I. (2628 *C. S. Banks*; 5246 *W. Schultze*).

## RHODOPHÆA Guenée.

*Eur. Microl. Ind. Meth.* (1845), 74.

Type: *R. advcnella* Zinck.

## \* RHODOPHÆA HERINGII Rag.

*Rhodophæa heringii* Rag., *Ann. Soc. Ent. France* (1888), 282; Hamps.,

*Fauna British Ind., Moths* (1896), 4, 99.

LUZON, Manila, P. I. (2631 *C. S. Banks*).

## Subf. ENDOTRICHINÆ.

## ENDOTRICHIA Zeller.

*Iris* (1847), 293.

Type: *E. flammealis* Schiff.

## \* ENDOTRICHIA PUNCTICOSTALIS Walk.

*Rhisina puncticostalis* Walk., *Cat. Lep. British Mus.* (1865), 34, 1324.

LUZON, Manila, P. I. (4176 *C. S. Banks*; 4244 *Geo. L. Araneta*).

## Subf. PYRALINÆ.

## PYRALIS Linnaeus.

*Syst. Nat.* (1767), 12, 881.

Type: *P. farinalis* Linn.

## \*PYRALIS PICTALIS Curt.

*Asopia pictalis* Curt., *British Ent.* (1834), 11, pl. 527.

*Pyralis pronacalis* Walk., *Trans. Ent. Soc. Lond.* (1859), 19, 906.

*Pyralis proximalis* Walk., *Trans. Ent. Soc. Lond.* (1864), 120.

*Myclois bractiatella* Walk., *Cat. Lep. British Mus.* (1863), 27, 36;  
Moore, *Lep. Ceyl.* (1887), 3, 262, *pl. 178, fig. 3.*

LUZON, Manila, P. I. (2592 *C. S. Banks*).

## Subf. HYDROCAMPINÆ.

## NYMPHULA Schrank.

*Fauna Boica* (1802), 2, 162.

Type: *N. nymphacata* Linn.

## \*NYMPHULA TURBATA Butl.

*Nymphula turbata* Butl., *Trans. Ent. Soc. Lond.* (1881), 586; *Hamps.*,

*Fauna British Ind., Moths* (1896), 4, 192.

LUZON, Manila, P. I. (2934 *W. Schultze*, 4172 *C. S. Banks*, 5898  
*G. M. Nell*).

## MUSOTIMA Meyrick.

*Trans. Ent. Soc. Lond.* (1884), 288.

Type: *M. anducalis* Feld.

## \*MUSOTIMA SUFFUSALIS Hamps.

*Musotima suffusalis* Hamps., *Ill. Lep. Het. British Mus.* (1893), 9, 178,  
*pl. 174, fig. 29*; *Fauna British Ind., Moths* (1896), 4, 199.

LUZON, Manila, P. I. (5884 *G. M. Nell*).

## ORPHNOPHANES Lederer.

*Wien. Ent. Mon.* (1863), 428.

Type: *O. eucerasalis* Walk.

## \*ORPHNOPHANES ALBISIGNALIS Hamps.

*Orphenophanes albisignalis* Hamps., *Fauna British Ins., Moths* (1896),  
4, 231.

LUZON, Province of Benguet, Trinidad, P. I. (8688 *C. S. Banks*).

## Subf. MARGARONIINÆ.

## LOMOTROPA Lederer.

*Wien. Ent. Mon.* (1863), 7, 404.

Type: *L. costiflexalis* Guen.

## LOMOTROPA COSTIFLEXALIS Guen.

*Pygospila costiflexalis* Guen., *Delt. et Pyral.* (1854), 313; *Hamps.*,

*Fauna British Ind., Moths* (1896), 4, 362.

*Lomotropa costiflexalis* Led., l. c. 405, *pl. 14, fig. 8.*

LUZON, Manila, P. I. (3549 *R. E. Brown*, *S. J.*).

## Subf. PYRAUSTINÆ.

## OMPHISA Moore.

*Lep. Ceylon* (1886), 3, 317.

Type: *O. anastomosalis* Guen.

## OMPHISA ANASTOMOSALIS Guen.

*Pionea anastomosalis* Guen., Delt. et Pyral. (1854), 373.

*Omphisa anastomosalis* Hamps., Fauna British Ind., Moths (1896), 4, 382; Swinh., Cat. Lep., Het. (1900), 2, 521.

LUZON, Manila, P. I. (8049 *C. S. Banks*).

## CHROCHIPHORA Hübner.

*Geyer, Samml., Exot. Schmetterl.* (1838), 4, 12.

Type: *C. testulalis* Hubn.

## CHROCHIPHORA TESTULALIS Hubn.

*Chrochipora testulalis* Hubn., *loc. cit.*, figs. 629, 630.

*Stenia testulalis* Guen., Delt. et Pyral. (1854), 230.

*Siriocauta testulalis* Led., Wien. Ent. Mon. (1863), 7, 424.

*Maruca testulalis* Moore, *Lep. Ceylon* (1885), 3, 298; Hamps., Fauna British Ind., Moths (1896), 4, 393.

LUZON, Manila, P. I. (9757 *R. Werm*).

## ACHARANA Moore.

*Lep. Ceylon*. (1885), 3, 285.

Type: *A. phæopteralis* Guen.

## ACHARANA LICARSISALIS Walk.

*Botys licarsisalis* Walk., Cat. Lep. Het., British Mus. (1859), 18, 686.

*Pachyzancla licarsisalis* Hamps., Fauna British Ind., Moths (1896), 4, 402.

*Acharana licarsisalis* Swinh., Cat. Lep., Het. (1900), 2, 526.

LUZON, Manila, P. I. (3124, 3926, 4323, 4727, *W. Schultze*).

## Fam. TINEIDÆ.

## MICROCOSMUS Moore.

*Lep. Ceylon* (1885), 3, 497.

Type: *M. mackwoodii* Moore.

## MICROCOSMUS MACKWOODII Moore.

*Microcosmus mackwoodii* Moore, *loc. cit.*, 498, pl. 208, fig. 9.

LUZON, Manila, P. I. (4757, 8047 *W. Schultze*).

## ILLUSTRATIONS.

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### PLATE I.

- FIG. 1. *Adlulia samarensis* Schultze ♀.  
2. *Pseudoganisa currani* Schultze ♂.  
3. *Deilemera gratia* Schultze ♀.  
4. *Numenes insolita* Schultze ♂.  
5. *Phthonoloba benguetana* Schultze ♀.  
6. *Adlulia benguetana* Schultze ♂.  
7. *Adlulia benguetana* Schultze ♀.  
8. *Hyperperissa pulchella* Schultze ♀.  
9. *Tarucus leopardus* Schultze ♂ (underside).  
10. *Monotaxis montanus* Schultze ♀.



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10

J. Castro, ad nat. del. 1910.

PLATE I.